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H6

Page 1 of 8



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RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,757B

DATE: 07/10/2002 P.6  
TIME: 10:51:17

Input Set : A:\598-0CON1SEQLIST.TXT

Output Set: N:\CRF3\07102002\J078757B.raw

4 <110> APPLICANT: BARBAS, Carlos F., III  
5 RADER, Christoph  
7 <120> TITLE OF INVENTION: HUMANIZATION OF MURINE ANTIBODY  
10 <130> FILE REFERENCE: TSRI 598.0 Con1  
12 <140> CURRENT APPLICATION NUMBER: US 10/078,757B  
13 <141> CURRENT FILING DATE: 2002-02-19  
15 <150> PRIOR APPLICATION NUMBER: US 08/986,016  
16 <151> PRIOR FILING DATE: 1997-12-05  
18 <160> NUMBER OF SEQ ID NOS: 56  
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
22 <210> SEQ ID NO: 1  
23 <211> LENGTH: 8  
24 <212> TYPE: PRT  
25 <213> ORGANISM: Mus Musculus  
27 <220> FEATURE:  
29 <400> SEQUENCE: 1  
30 His Asn Tyr Gly Ser Phe Ala Tyr  
31 1 5  
34 <210> SEQ ID NO: 2  
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36 <212> TYPE: PRT  
37 <213> ORGANISM: Mus Musculus  
39 <220> FEATURE:  
41 <400> SEQUENCE: 2  
42 Gln Gln Ser Asn Ser Trp Pro His Thr  
43 1 5  
46 <210> SEQ ID NO: 3  
47 <211> LENGTH: 37  
48 <212> TYPE: DNA  
49 <213> ORGANISM: Homo Sapiens  
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55 <211> LENGTH: 37  
56 <212> TYPE: DNA  
57 <213> ORGANISM: Homo Sapiens  
59 <220> FEATURE:  
61 <400> SEQUENCE: 4  
62 gggcccaggg gggcggagctc gtgtatgaccc agtctcc 37  
64 <210> SEQ ID NO: 5  
65 <211> LENGTH: 37  
66 <212> TYPE: DNA  
67 <213> ORGANISM: Homo Sapiens

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 71 <400> SEQUENCE: 5  
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 74 <210> SEQ ID NO: 6  
 75 <211> LENGTH: 37  
 76 <212> TYPE: DNA  
 77 <213> ORGANISM: Homo Sapiens  
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 82 gggcccaggc ggccgagctc acactcacgc agtctcc 37  
 84 <210> SEQ ID NO: 7  
 85 <211> LENGTH: 23  
 86 <212> TYPE: DNA  
 87 <213> ORGANISM: Homo Sapiens  
 89 <220> FEATURE:  
 91 <400> SEQUENCE: 7  
 92 cagtaataca ctgcaaaatc ttc 23  
 94 <210> SEQ ID NO: 8  
 95 <211> LENGTH: 23  
 96 <212> TYPE: DNA  
 97 <213> ORGANISM: Homo Sapiens  
 99 <220> FEATURE:  
 101 <400> SEQUENCE: 8  
 102 cagtaataaa ccccaacatc ctc 23  
 104 <210> SEQ ID NO: 9  
 105 <211> LENGTH: 40  
 106 <212> TYPE: DNA  
 107 <213> ORGANISM: Homo Sapiens  
 109 <220> FEATURE:  
 111 <400> SEQUENCE: 9  
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 114 <210> SEQ ID NO: 10  
 115 <211> LENGTH: 40  
 116 <212> TYPE: DNA  
 117 <213> ORGANISM: Homo Sapiens  
 119 <220> FEATURE:  
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 122 gggcccaggc ggccgagctc gtgctgactc agccaccctc 40  
 124 <210> SEQ ID NO: 11  
 125 <211> LENGTH: 43  
 126 <212> TYPE: DNA  
 127 <213> ORGANISM: Homo Sapiens  
 129 <220> FEATURE:  
 131 <400> SEQUENCE: 11  
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 134 <210> SEQ ID NO: 12  
 135 <211> LENGTH: 46  
 136 <212> TYPE: DNA  
 137 <213> ORGANISM: Homo Sapiens

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147 <213> ORGANISM: Homo Sapiens  
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157 <213> ORGANISM: Homo Sapiens  
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166 <212> TYPE: DNA  
167 <213> ORGANISM: Homo Sapiens  
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176 <212> TYPE: DNA  
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194 <210> SEQ ID NO: 18  
195 <211> LENGTH: 21  
196 <212> TYPE: DNA  
197 <213> ORGANISM: Homo Sapiens  
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201 <400> SEQUENCE: 18  
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204 <210> SEQ ID NO: 19  
205 <211> LENGTH: 44  
206 <212> TYPE: DNA  
207 <213> ORGANISM: Homo Sapiens

RAW SEQUENCE LISTING DATE: 07/10/2002  
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Input Set : A:\598-0CON1SEQLIST.TXT  
 Output Set: N:\CRF3\07102002\J078757B.raw

209 <220> FEATURE:  
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 221 <400> SEQUENCE: 20  
 222 gctgcccaac cagccatggc ccagatcacc ttgaaggagt ctgg 44  
 224 <210> SEQ ID NO: 21  
 225 <211> LENGTH: 44  
 226 <212> TYPE: DNA  
 227 <213> ORGANISM: Homo Sapiens  
 229 <220> FEATURE:  
 231 <400> SEQUENCE: 21  
 232 gctgcccaac cagccatggc cgaggtgcag ctgggtgsagt ctgg 44  
 234 <210> SEQ ID NO: 22  
 235 <211> LENGTH: 44  
 236 <212> TYPE: DNA  
 237 <213> ORGANISM: Homo Sapiens  
 239 <220> FEATURE:  
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 242 gctgcccaac cagccatggc ccaggtgcag ctgcaggagt cggg 44  
 244 <210> SEQ ID NO: 23  
 245 <211> LENGTH: 24  
 246 <212> TYPE: DNA  
 247 <213> ORGANISM: Homo Sapiens  
 249 <220> FEATURE:  
 251 <400> SEQUENCE: 23  
 252 cgcacagtaa tacacggccg tgtc 24  
 254 <210> SEQ ID NO: 24  
 255 <211> LENGTH: 21  
 256 <212> TYPE: DNA  
 257 <213> ORGANISM: Artificial Sequence  
 259 <220> FEATURE:  
 260 <223> OTHER INFORMATION: PCR Primer for PelB Leader Sequence  
 262 <400> SEQUENCE: 24  
 263 acctattgcc tacggcagcc g 21  
 265 <210> SEQ ID NO: 25  
 266 <211> LENGTH: 24  
 267 <212> TYPE: DNA  
 268 <213> ORGANISM: Homo Sapiens  
 270 <220> FEATURE:  
 272 <400> SEQUENCE: 25  
 273 cgcacagtaa tacacggccg tgtc 24  
 275 <210> SEQ ID NO: 26  
 276 <211> LENGTH: 8  
 277 <212> TYPE: PRT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/078,757B

DATE: 07/10/2002

TIME: 10:51:17

Input Set : A:\598-0CON1SEQLIST.TXT

Output Set: N:\CRF3\07102002\J078757B.raw

278 <213> ORGANISM: Homo Sapiens  
280 <220> FEATURE:  
282 <400> SEQUENCE: 26  
283 Asp Thr Ala Val Tyr Tyr Cys Ala  
284 1 5  
287 <210> SEQ ID NO: 27  
288 <211> LENGTH: 8  
289 <212> TYPE: PRT  
290 <213> ORGANISM: Mus Musculus  
292 <220> FEATURE:  
294 <400> SEQUENCE: 27  
295 Asp Thr Ala Met Tyr Tyr Cys Ala  
296 1 5  
299 <210> SEQ ID NO: 28  
300 <211> LENGTH: 69  
301 <212> TYPE: DNA  
302 <213> ORGANISM: Artificial Sequence  
304 <220> FEATURE:  
305 <223> OTHER INFORMATION: Synthetic PCR Primer  
307 <400> SEQUENCE: 28  
308 gacacggccg tgtattactg tgcgcgtcat aactacggca gtttgctta ctggggccag 60  
309 ggaaccctg 69  
311 <210> SEQ ID NO: 29  
312 <211> LENGTH: 42  
313 <212> TYPE: DNA  
314 <213> ORGANISM: Artificial Sequence  
316 <220> FEATURE:  
317 <223> OTHER INFORMATION: Synthetic PCR Primer  
319 <400> SEQUENCE: 29  
320 gaggaggagg aggagactag ttttgcaca agatgggc tc 42  
322 <210> SEQ ID NO: 30  
323 <211> LENGTH: 73  
324 <212> TYPE: DNA  
325 <213> ORGANISM: Artificial Sequence  
327 <220> FEATURE:  
328 <223> OTHER INFORMATION: Synthetic PCR Primer  
330 <400> SEQUENCE: 30  
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332 ggggaccaag ctg 73  
334 <210> SEQ ID NO: 31  
335 <211> LENGTH: 21  
336 <212> TYPE: DNA  
337 <213> ORGANISM: Artificial Sequence  
339 <220> FEATURE:  
340 <223> OTHER INFORMATION: Synthetic PCR Primer  
342 <400> SEQUENCE: 31  
343 aatacgactc actataggc g 21  
345 <210> SEQ ID NO: 32  
346 <211> LENGTH: 72

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 07/10/2002  
PATENT APPLICATION: US/10/078,757B                    TIME: 10:51:18

Input Set : A:\598-0CON1SEQLIST.TXT  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:46; N Pos. 26,27,29,30,32,33,35,36

**VERIFICATION SUMMARY**

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L:545 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:46

L:546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0